



**ThermoFlo Blower Assembly**  
(for PACE ThermoFlo power sources)

**P/N 6008-0145-P1**

**Installation Instructions**

**Manual Number 5050-0431**

**Rev. A**

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For any questions regarding these instructions, contact the PACE Service Department directly at:

Telephone (888) 535-PACE, Fax (301) 483-7030

**PACE Incorporated**  
**9893 Brewers Court**  
**Laurel MD 20723-1990**

To replace the Blower Assembly, perform the following procedure step by step, in sequence using the accompanying illustrations as a guide.

### CAUTION

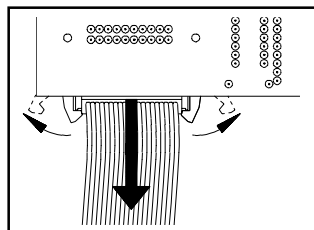
**POTENTIAL SHOCK HAZARD** - Disassembly of the ThermoFlo power source exposes line voltage parts. Replacement of the Blower Assembly must be performed by qualified service personnel only. Service personnel must insure that the AC power cord is disconnected prior to disassembly. Contact the PACE Service Department for assistance at tel. 1-888-535-PACE, FAX 1-301-483-7030.

1. Place the unit on a suitable work surface with the front of the power source facing forward.
2. Disconnect the AC power cable from the unit (if present).

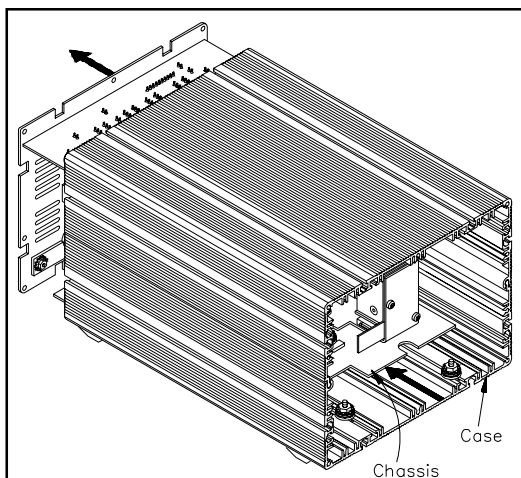
### NOTE

Use all ESD control precautions when servicing the ThermoFlo system. The power source contains assemblies utilizing static sensitive components.

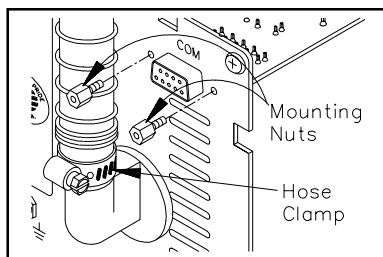
3. Remove the 10 Front Panel mounting screws.
4. Pull the Front Panel forward.
5. Disconnect the ribbon cable from the Front Panel by pulling the 2 plastic locking tabs away from the ribbon cable (see illustration) then pulling the ribbon cable out of the Front Panel connector. Set the Front Panel aside.
6. Reposition the unit with the rear of the power source facing forward.



7. Remove the 8 Rear Panel mounting screws.
8. Gently pull the Rear Panel away from the power source. Attached to the Rear Panel are the main PCB and the Chassis. Pull these parts completely out of the power source case. Set the power source Case aside.

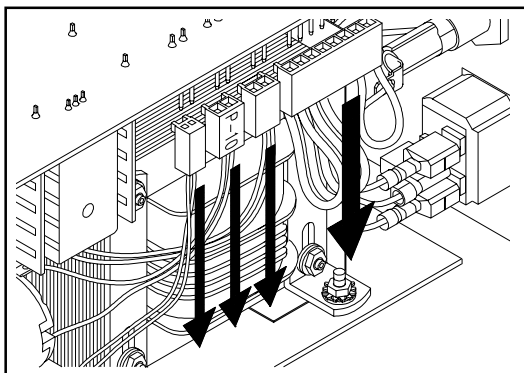


9. The COM Port is located on the upper right portion of the Rear Panel. Remove the two (2) Mounting Nuts located on either side of the COM Port.



10. Position the Chassis as shown with the Blower Assembly facing forward.

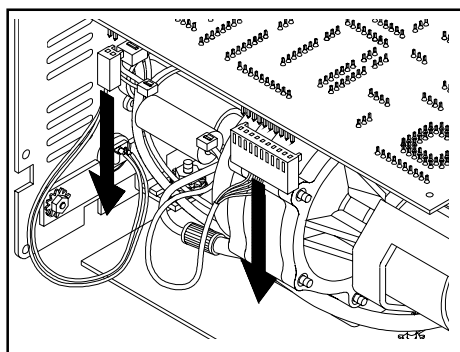
11. Disconnect the four (4) connectors shown from the Main PCB. Make note of the location of each connector (the Flo Pump harness plug should be marked "P10").



12. Disconnect the two (2) connectors shown from the main PCB.

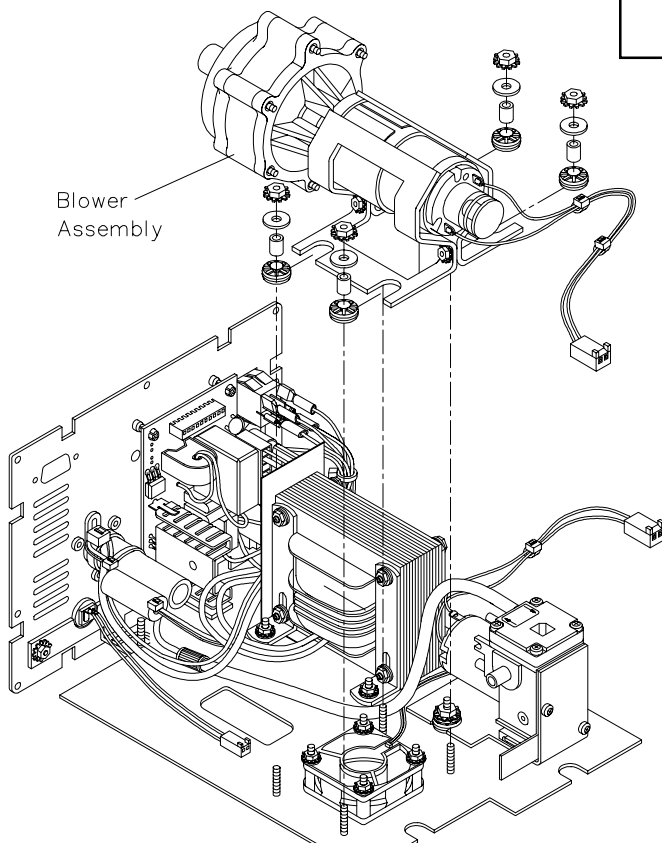
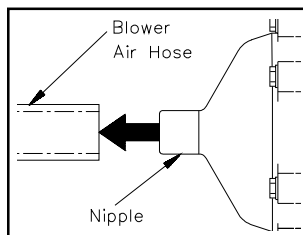
**CAUTION**

The larger of these two connectors has very fine wires attached. Handle this connector with care to prevent any damage to these wires.



13. Pull the Main PCB forward to release pins on PCB plug from the connector on the HV Board. Set Main PCB aside.

14. Remove the Tie Wrap that secures the large air hose to the Blower Assembly (see illustration, step 24). Do NOT remove the other 2 Tie Wraps (near rear panel).
15. Remove the 4 Hex Nuts & Washers from blower mounting bracket.
16. Pull the Blower Assembly up and just off of its four (4) mounting studs.
17. Holding the Blower Air Hose, pull the Blower Assembly forward to release the Air Hose from the Blower Assembly.
18. There are four (4) Blue grommets (with metal sleeves) on the blower mounting bracket. Remove each of the grommets and install in position on the replacement Blower Assembly. Set old Blower Assembly aside.
19. Holding the Blower Air Hose, push the nipple of the plastic housing on the Blower Assembly forward and into the Hose.



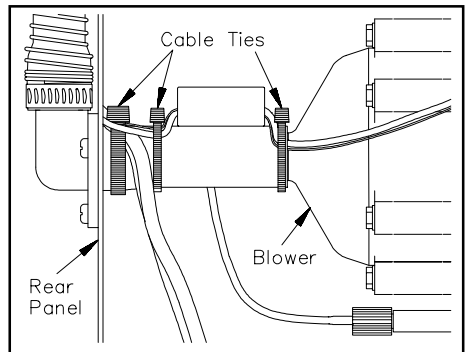
20. Push the Blower Assembly down, sliding the four (4) Blue grommets (with metal sleeves) over the four (4) mounting studs on the chassis plate.

**NOTE**

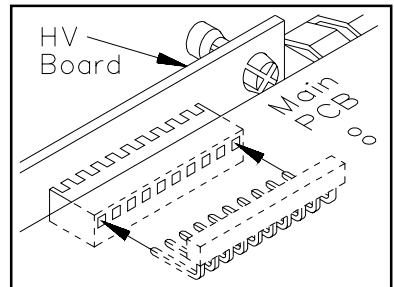
Insure that the small Vacuum Air Hose does not become pinched when the Blower Assembly is pushed into place. This hose should be routed under the Blower Assembly between the plastic blower housing and the metal blower mounting bracket.

21. Check the Blower Air Hose to insure that it is securely attached to the Blower Assembly and is straight (not kinked). Adjust hose if necessary.
22. Secure the Blower Assembly in position by installing the four (4) Hex Nuts and Washers removed in step 14.
23. Route the two (2) Blower Assembly wires (with connector) between the Blower and Flo Pump Assemblies then between the Flow Pump Assembly and the transformer. Refer to Blower Assembly illustration, page 4.

24. Secure Blower Air Hose (and wire harness) at the Blower Assembly using the supplied Tie Wrap.



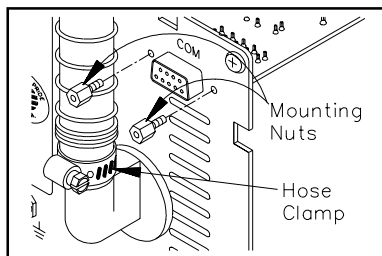
25. Position the Main PCB as shown over the Chassis and with the ribbon cable facing forward.
26. Align the COM Port receptacle at the rear of the Main PCB with its rear panel cutout
27. There is a ten (10) pin plug mounted at the rear of the Main PCB. Carefully insert these pins into the matching 10 pin connector on the HV Board.



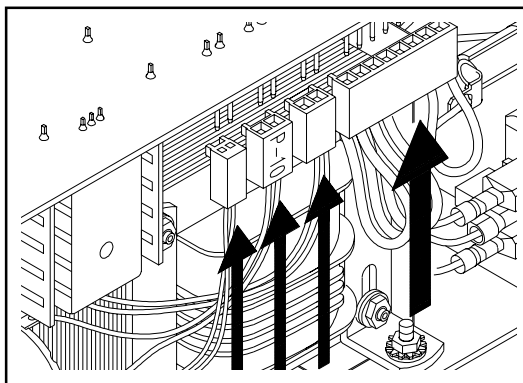
**NOTE**

Insure that the plug pins are lined up correctly with the connector. The system will not operate if this connection is incorrect.

28. Install the two (2) Mounting Nuts removed in step 9 on either side of the COM Port.



29. Install the 6 connectors removed in steps 11 & 12. Insure that each connector is pushed fully onto its PCB connection. Insure that the connector marked "P10" is plugged into the proper location. Refer to illustration.

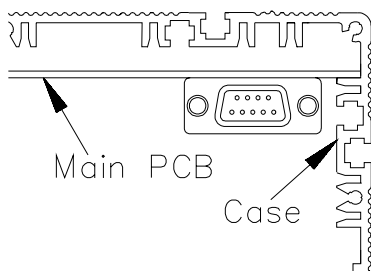


30. Slide the Chassis into the rear of the Case with the Main PCB positioned as shown in the illustration below. Located at the front, inside of the Case are two (2) mounting studs with Blue grommets. The two (2) slots at the front of the inner chassis plate must slide into the slots in the two (2) Blue grommets.

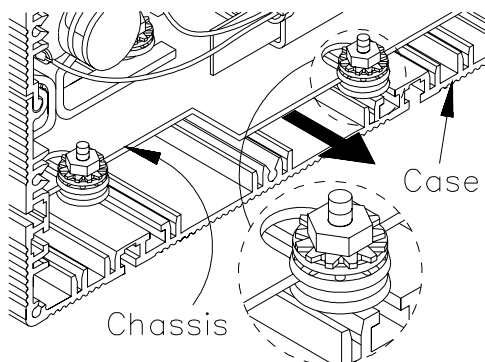
#### NOTE

Wire harnesses are located along the edges of the Chassis. Insure that these wires do not get caught or pinched against the edges of the Chassis, Case or the rear panel as the Chassis slides in.

**VIEWED FROM REAR**



**VIEWED FROM FRONT**



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31. Install the 8 Rear Panel mounting screws removed in step 7.
  32. Position the power source facing forward.
  33. Connect the ribbon cable (removed in step 5) to the Front Panel Connector; the two (2) plastic locking tabs will automatically lock the cable in position when it is fully seated in the connector.
  34. Install the 10 Front Panel mounting screws removed in step 3.

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